



Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary)	Atty Docket No. PLUSP040 Applicant: Visco, et al. Filing Date April 14, 2004	Application No.: 10/824,944 Group 2811
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U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub- class	Filing Date
TD	A1	5,648,187	07/15/97	Skotheim			
	A2	5,314,765	05/24/94	Bates			
	A3	4,981,672	01/01/91	De Neufville et al.			
	A4	6,025,094	02/2000	Visco, et al.			
	A5	5,342,710	08/30/94	Koksbang			
	A6	5,409,786	04/25/95	Bailey			
	A7	5,100,523	03/31/92	Helms et al.			
	A8	5,696,201	12/09/97	Cavalloni, et al.			
	A9	4,162,202	07/24/79	Dey			
	A10	5,455,126	10/03/95	Bates et al.			
	A11	5,338,625	08/16/94	Bates et al.			
	A12	5,597,660	01/28/97	Bates et al.			
	A13	5,612,152	03/18/97	Bates			
	A14	5,569,520	10/29/96	Bates			
	A15	5,512,147	04/30/96	Bates et al.			
	A16	5,567,210	10/22/96	Bates et al.			
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	A18	6,475,677 B1	11/05/02	Inda et al.			
	A19	6,485,622 B1	11/26/02	Fu			
	A20	6,315,881 B1	11/13/01	Fu			
	A21	6,030,909	02/29/00	Fu			
	A22	5,702,995	12/30/97	Fu			
	A23	4,985,317	01/15/91	Adachi et al.			
	A24	6,402,795 B1	06/11/02	Chu et al.			
	A25	6,214,061 B1	04/10/01	Visco et al.			
	A26	6,413,284 B1	07/02/02	Chu et al.			
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	A28	6,376,123	04/23/02	Chu			
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	A30	6,183,901 B1	02/06/01	Ying et al.			
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Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub- class	Translation	
							Yes	No
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TD	B2	0689260B1	04/21/99	EP				
TD	B3	0111214A2	11/23/83	EP				
TD	B4	0111213B1	11/23/83	EP				
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TD	C2	Anders et al., "Plasma is Produced Simply", R&D Research & Development, R&D Magazine, Vol. 39, No. 10, September 1997, www.rdmag.com , p. 65.
TD	C3	Steven D. Jones, et al., "Thin film rechargeable Li batteries", 1994, <u>Solid State Ionics</u>
TD	C4	J.B. Bates, et al., "Thin-film rechargeable lithium batteries," 1995, <u>Journal of Power Sources</u>
TD	C5	N. J. Dudney, et al., "Sputtering of lithium compounds for preparation of electrolyte thin films," 1992, <u>Solid State Ionics</u>
TD	C6	J. B. Bates, et al., "Electrical properties of amorphous lithium electrolyte thin films," 1992, <u>Solid State Ionics</u>
TD	C7	Xiaohua Yu, et al, "A Stable Thin-Film Lithium Electrolyte: Lithium Phosphorus Oxynitride," 02-97, <u>J. Electrochem. Soc.</u> , Vol 144, No. 2
TD	C8	Fu, Jie, "Fast Li+ Ion Conduction in Li2O-Al2O3-TiO2-SiO2-P2O5 Glass-Ceramics", Journal of the American Ceramics Society, Vol. 80, No. 7, July 1997, pp. 1-5.
TD	C9	Aono et al., "Ionic Conductivity of the Lithium Titanium Phosphate (Li _{1-x} M _x Ti _{2-x} (PO ₄) ₃ , M = Al, Sc, Y, and La) Systems", Dept. of Industrial Chemistry, pp. 590-591.
TD	C10	Aono, Hiromichi, "High Li+ Conducting Ceramics", Acc. Chem. Res. Vol. 27, No. 9, 1994, pp. 265-270.
TD	C11	Aono, et al., "Ionic Conductivity and Sinterability of Lithium Titanium Phosphate System", Solid State Ionics, 40/41 (1990), pp. 38-42.
TD	C12	Aono, et al., "Electrical properties and crystal structure of solid electrolyte based on lithium hafnium phosphate LiHf ₂ (PO ₄) ₃ ", Solid State Ionics 62 (1993), pp. 309-316.
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TD	A38	5,427,873	06/27/95	Shuster			
TD	A39	5,525,442	06/11/96	Shuster			
TD	A40	6,146,787	11/14/00	Harrup et al.			
TD	A41	5,510,209	04/23/96	Abraham et al.			
TD	A42	5,652,068	07/29/97	Shuster et al.			
TD	A43	5,665,481	09/09/97	Shuster et al.			
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TD	C14	Aono, et al., "Ionic Conductivity of $\beta\text{-Fe}_2(\text{SO}_4)_3$ Type $\text{Li}_3\text{Cr}_2(\text{PO}_4)_3$ Based Electrolyte", Chemistry Letters, 1993, pp. 2033-2036.
TD	C15	Aono, et al., "Ionic Conductivity of $\text{LiTi}_2(\text{PO}_4)_3$ Mixed with Lithium Salts", Chemistry Letters, 1990, pp. 331-334.
TD	C16	Fu, Jie, "Superionic conductivity of glass-ceramics in the system $\text{Li}_2\text{O}-\text{Al}_2\text{O}_3-\text{TiO}_3-\text{P}_2\text{O}_5$ ", Solid State Ionics, 96 (1997), pp.195-200.
TD	C17	Fu, Jie, "Fast Li^+ ion conducting glass-ceramics in the system $\text{Li}_2\text{O}-\text{Al}_2\text{O}_3-\text{GeO}_2-\text{P}_2\text{O}_5$ " Solid State Ionics 104 (1997), pp. 191-194.
TD	C18	Aono, et al., "DC Conductivity of $\text{Li}_{1.3}\text{Al}_{0.3}\text{Ti}_{1.7}(\text{PO}_4)_3$ " Ceramic with Li Electrodes", Chemistry Letters, 1991, pp. 1567-1570.
TD	C19	Aono, et al., "Electrical Properties of Sintered Lithium Titanium Phosphate Ceramics ($\text{Li}_{1+x}\text{M}_x\text{Ti}_{2-x}\text{PO}_4$), $\text{M}^{3+}=\text{Al}^{3+}, \text{Sc}^{3+}, \text{or } \text{Y}^{3+}$ ", Chemistry Letters, 1990, pp. 1825-1828.
TD	C20	Button, et al., "Structural disorder and enhanced ion transport in amorphous conductors", Solid State Ionics, Vols. 9-10, Part 1, December 1983, pp. 585-592 (abstract)
TD	C21	Shuster, Nicholas, "LithiumWater Power Source for Low Power – Long Duration Undersea Applications", Westinghouse Electric Corporation, 1990 IEEE, pp. 118-123.
TD	C22	VanVoorhis, et al., "Evaluation of Air Cathodes for Lithium/Air Batteries", Electrochemical Society Proceedings Volume 98-16, 1999, pp. 383-390.
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TD	C24	J. Read, "Characterization of the Lithium/Oxygen Organic Electrolyte Battery", Journal of The Electrochemical Society, 149 (9) (2002), pp. A1190-A1195.
TD	C25	Abraham et al., "A Polymer Electrolyte-Based Rechargeable Lithium/Oxygen Battery", Technical Papers, Electrochemical Science and Technology, J. Electrochem. Soc., Vol. 143, No. 1, January 1996, pp. 1-5.
TD	C26	Kessler, et al., "Large Microsheet Glass for 40-in. Class PALC Displays", 1997, FMC2-3, pp. 61-63.
TD	C27	Feng et al., "Electrochemical behavior of intermetallic-based metal hydrides used in Ni/metal hydride (MH) batteries: a review", International Journal of Hydrogen Energy, 26 (2001), pp. 725-734.
TD	C28	Iwakura et al., "All solid-state nickel/metal hydride battery with a proton-conductive phosphoric acid-doped silica gel electrolyte", Electrochimica Acta 48 (2003), pp. 1499-1503.
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TD	C30	Zhang et al., "Electrochemical Lithium Intercalation in VO ₂ (B) in Aqueous Electrolytes", J. Electrochem. Soc., Vol. 143, No. 9, September 1996, pp. 2730-2735.
TD	C31	Urquidi-Mcdonald, Mirna, "Hydrogen storage and semi-fuel cells", http://enr.psu.edu/h2e/Pub/Macdonald1.htm , (downloaded January 27, 2004, 3 pages).
TD	C32	Urquidi-Mcdonald, et al., "Lithium/poly(organophosphazene) membrane anodes in KOH and seawater", Electrochimica Acta 47, (2002), pp. 2495-2503.
TD	C33	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14, June 22-27, 2003, Monterey, CA. (conference poster).
TD	C34	Nimon et al., "Stability of Lithium Electrode in Contact with Glass Electrolytes", SSI-14 Conference, Monterey, CA., June 22, 2003, Abstract of Poster.
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Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
TD	B	WO 99/57770	11.11.99	PCT				

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TD	C	Inaguma et al., "High Ionic Conductivity in Lithium Lanthanum Titanate", Solid State Communications, Vol. 86, No. 10, pp. 689-693, 1993.
TD	D	Kobayashi et al., "All-solid-state lithium secondary battery with ceramic/polymer composite electrolyte", Solid State Ionics 152-153 (2002) 137-142.
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U.S. Patent Documents

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TD	A1	2002/102465 A1	08.01.02	Chen et al.	→	→	
TD	A2	5,213,908	05.25.93	Hagedorn			
TD	A3	3,625,769	07.12.71	Lyall, Arthur E.			

Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
TD	B1	09320645	12.12.97	Japan (abstract)	→	→	Yes	No

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
TD	C1	International Search Report dated January 16, 2006 from International Application No. PCT/US2004/033361.
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TD	C1	Will, et al., "Primary Sodium Batteries with Beta-Alumina Solid Electrolyte", J. Electrochemical Science and Technology, April 1975, Vol. 122, No. 4, pages 457-461.
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							Yes	No

Other Documents

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TD	C1	European Examination Report dated March 21, 2006 from related European Application No. 03809186.4. (PLUSP027EP)
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TD	A1	5,506,068	04.09.96	Dan et al.	→		

Foreign Patent or Published Foreign Patent Application

Foreign Patent or Published Foreign Patent Application								
Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
TD	B1	EP 1 162 675 A2	12.12.2001	European				

Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
TD	C1	International Search Report dated March 6, 2006 from International Application No. PCT/US2004/033371. (PLUSP040WO)
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Other Documents

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TD	C1	International Search Report dated March 6, 2006 from International Application No. PCT/US2004/033424. (PLUSP036WO)
TD	C2	West, et al., "Chemical stability enhancement of lithium conducting solid electrolyte plates using sputtered LiPON thin films," Journal of Power Sources, Volume 126, Issues 1-2, Pages 1-272 (16 February 2004)
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